Ontario

Ontario Ministry of Agriculture, Food and Rural Affairs

2008 Supplement

Growing Greenhouse Vegetables
Publication 371S

This supplement contains updates to pesticides registered as of September 2008. For complete information, please refer to the full edition of Publication 371, *Growing Greenhouse Vegetables*, released in 2005.

REPLACE Table 15–1, Table 15–2, Table 15–3, Table 15–4, Table 15–5, Table 15–6, Table 15–7 and Table 15–8, on pages 125–132, with the new tables below.

Ontario Emergency Use Registrations

Products that are registered as Emergency Use are not listed in these recommendations because they are only registered for limited periods of time. For an up-to-date list of Emergency Use Registrations for greenhouse vegetables, consult the OMAFRA website at www.ontario.ca/crops and click on Minor Use Program under the Pest Management and Minor Use section.

TABLE 15–1. Tomato Pests

PHI = Pre-harvest Interval (days)

Pesticide	Rate	Pest	PHI	Remarks
Ambush 50 EC or Pounce EC	200 mL/1,000 L 260 mL/1,000 L	whiteflies	1	Apply to achieve thorough coverage. Repeat as necessary.
Avid	30 mL/100 L	two-spotted spider mite, leafminer	3	Maximum 5 applications per crop cycle.
Bioprotec	1.8 L/1,000 L water	cabbage loopers	0	Use diluted spray within 12 hr. Use product within 6 months of manufacture date. Add a wetting agent to improve distribution on foliage.
	0.9–1.8 L/1,000 L water	tomato hornworm		
Confirm 240F	0.6 L/ha	cabbage loopers	2	Re-entry period is 12 hr. Application interval at least 10 days. Do not exceed 4 applications/yr.
DDVP 20%EC	6 mL/L	aphids, whiteflies	7	Use cautiously as crop damage can occur, particularly under hot, humid conditions. Thoroughly ventilate before re-entering on the day following treatment.

TABLE 15–1. Tomato Pests

PHI = Pre-harvest Interval (days)

Pesticide	Rate	Pest	PHI	Remarks
Dibrom	10 mL/100 m^3	aphids, two-spotted spider mites, whiteflies	1	Apply undiluted to cold pipes, then heat to 41°C and close greenhouse for at least 4 hr. May cause injury to flowers. Ventilate greenhouse properly before re-entering.
Dipel 2X DF	75–150 g/250 L/ 4,000 m^2	cabbage loopers		Apply to upper and lower leaf surfaces to runoff. Repeat applications needed with new hatch.
Distance	45 mL/100 L	whiteflies	3	Maximum 2 applications per crop cycle. Make 1st application when adults begin to appear. Restricted entry interval = 12 hr.
DynoMite	284 g/ha using 1,000 L water/ha	two-spotted spider mites	2	Maximum 2 applications per crop cycle. Apply at intervals of at least 28 days.
Endeavor 50 WG	100–200 g product/ha in a minimum of 1,000 L water/ha	green peach aphid, melon aphid	3	Maximum 2 applications per crop cycle/year/greenhouse. Do not repeat applications for at least 7 days.
Floramite SC	133 mL/400 L	two-spotted spider mites	0	Only 2 applications per crop cycle. Restricted entry interval = 12 hr.
Foray 48B	80–200 mL/1,000 m^2	cabbage loopers	0	
Forbid 240 SC	30–50 mL/100 L	two-spotted spider mites, whiteflies	3	Maximum 2 applications per crop cycle. Restricted entry interval = 12 hr.
Intercept	16 g/80 L water/ 1,000 mature plants	whiteflies, aphids	1	Do not apply more than once per season. There may be repellent effects on bumble bees and negative effects on some beneficials.
Insecticidal Soap	1–2 L/100 L	aphids, two-spotted spider mites, whiteflies, earwigs, psyllids		May cause damage to flowers under high temperature conditions.
Nicotine Smoke	1 can/300 m^3	aphids, thrips	3	Ventilate greenhouse properly before re-entering.
Sluggo	25–50 kg/ha (2.5–5 g/m^2)	slugs and snails		Re-apply bait as needed or at least every 2 weeks if slugs and snails continue to be a problem.
Thiodan 4 EC Thiodan 50 WP	1.25–1.5 L/1,000 L 1–1.5 kg/ha	aphids, whiteflies	2	
3M Sprayable Tomato Pinworm Pheromone	200 mL/ha	tomato pinworm		Repeat applications are dependent on pest pressure and should, in general, be done 3–4 weeks apart.
Vectobac	2–8 L/1,000 L	fungus gnats	0	Do not mix and apply with fertilizers or fungicides containing copper or chlorine as this may neutralize the active ingredients.
Vendex 50W	50 g/100 L	two-spotted spider mites	5	

TABLE 15–2. Tomato Diseases

PHI = Pre-harvest Interval (days)

Pesticide	Rate	Disease	PHI	Remarks
Botran 75WP	1.75 kg/1,000 L	botrytis grey mould	1	Seedlings may be injured by drenching.
Decree	1.5 kg/ha	botrytis grey mould	1	Maximum 3 applications per crop cycle.
Fixed Copper 50W	3 kg/1,000 L/ha	bacterial canker		7–10-day interval.
Maestro 80DF	1.25 kg/1,000 L apply 50–85 L/100 m^2	damping-off in seedlings		
Manzate DF and Manzate Pro-Stick	2.4 kg/ha	early and late blight, septoria leaf spot	7	
MilStop	5.6 kg/ha	powdery mildew		Do not mix with other soluble fertilizers or pesticides; not compatible with mild alkaline solutions. Addition of surfactant or wetting agent is not required. Restricted entry interval = 4 hr.
Mycostop	Immediately after transplanting: 10–50 mg/plant or 20–100 mL/plant of 0.05% suspension	fusarium, root diseases, stem rot	0	Treatments to be repeated at intervals of 3–6 weeks, depending on disease pressure.
Nova	340 g/ha (1,000 L water/ha)	powdery mildew	3	Apply no more than 2 applications/yr.
Prestop	125–250 mL of 0.5% suspension/ 10 L of growth media, **OR** 100 L of 0.5% suspension/ 2,000 plants	*Pythium* sp., *Rhizoctonia solani*		Repeat applications every 3–6 weeks.
	Apply enough 0.5% suspension to wet plants, but not to run-off.	*Botrytis cinerea*		Repeat applications every 3–4 weeks. Viability of contents in unopened packets, stored under cool (approx. 4°C), dry conditions, is about 12 months. Use entire contents of opened packets on the same day. Re-entry interval = 4 hr.
Previcur N	10 mL/10 L of water Apply at 100–200 mL/ plant. Use higher rate for 2nd and 3rd applications.	pythium root rot	5	Maximum 4 applications per crop cycle, no more than 2 applications on seedlings, and no more than 2 applications after transplanting. Occasional slight damage may occur following overhead drenching of recently planted seedlings.
Revus	400–600 mL/ha	Late blight *(Phytophthora infestans)*	1	Maximum 4 applications per season. Use of a non-ionic adjuvant (0.125% v/v) is recommended.
RootShield Drench	60–90 g/100 L	*Pythium, Rhizoctonia, Fusarium*		Effective when root zone more than 10°C.
RootShield Granules	600 g/m^3 planting mix or soil	*Pythium, Rhizoctonia, Fusarium*		Effective when root zone more than 10°C.
Rovral 50WP	1 kg/1,000 L	botrytis grey mould	2	
Sulphur (Bartlett's Microscopic Sulphur 92%)	750 g/1,000 L/ha	powdery mildew	1	Maximum of 10 applications per crop cycle. May cause slight foliage damage.
Supra Captan 80W	63–107 g/100 m^2 as a soil treatment	damping off, fungus root rot diseases		Apply 1.25 kg per 1,000 L water at 50–85 L /100 m^2. Work into the upper 7.5–10 cm of soil before planting.

TABLE 15–3. Cucumber Pests

PHI = Pre-harvest Interval (days)

Pesticide	Rate	Pest	PHI	Remarks
Ambush 50 EC or Pounce EC	200 mL/1,000 L 260 mL/1,000 L	whiteflies	1	Apply to achieve thorough coverage. Repeat as necessary.
Avid	30 mL/100 L	two-spotted spider mite, leafminer	3	Maximum 5 applications per crop cycle.
Bioprotec	1.8 L/1,000 L water	cabbage loopers	0	Use diluted spray within 12 hr. Use product within 6 months of manufacture date. Add a wetting agent to improve distribution on foliage.
DDVP 20%EC	6 mL/L	aphids, whiteflies	7	Use cautiously as crop damage can occur, particularly under hot, humid conditions. Thoroughly ventilate before re-entering on the day following treatment.
Dibrom	10 mL/100 m^3 Apply undiluted to cold pipes, then heat to 41°C & close greenhouse for at least 4 hr.	aphids, spider mites, whiteflies, mealy bugs, leafrollers	1	May cause injury to flowers. Ventilate greenhouse properly before re-entering.
Distance	45 mL/100 L	whiteflies	3	Maximum 2 applications per crop cycle. Make 1st application when adults begin to appear. Restricted entry interval = 12 hr.
DynoMite	284 g/ha 1,000 L water/ha	two-spotted spider mites	2	Maximum 2 applications per crop cycle. Apply at intervals of at least 28 days.
Floramite SC	133 mL/400 L	two-spotted spider mites	1	Only 2 applications per crop cycle. Restricted entry interval = 12 hr.
Foray 48B	80–200 mL/1,000 m^2	cabbage loopers	0	
Forbid 240 SC	30–50 mL/100 L	two-spotted spider mites, whiteflies	3	Maximum 2 applications per crop cycle. Restricted entry interval = 12 hr.
Intercept	16 g/80 L water/ 1,000 mature plants	whiteflies, aphids	1	Do not apply more than once per season. There may be negative effects on some beneficials.
Insecticidal Soap	1–2 L/100 L	aphids, two-spotted spider mites, whiteflies, earwigs, psyllids		May cause damage to plant under high temperature conditions.
Nicotine Smoke	1 can/300 m^3	aphids, thrips	3	Ventilate greenhouse properly before re-entering.
Sluggo	25–50 kg/ha (2.5–5 g/m^2)	slugs, snails		Re-apply bait as needed or at least every 2 weeks if slugs and snails continue to be a problem.
Thiodan or Thionex 4 EC	1.25–1.5 L/1,000 L	aphids, whiteflies	2	Spray when insects are first observed.
Thiodan or Thionex 50 WP	1–1.5 kg/ha			
Vectobac	2–8 L/1,000 L	fungus gnats	0	Do not mix and apply with fertilizers or fungicides containing copper or chlorine, as this may neutralize the active ingredients.
Vendex 50W	50 g/100 L	two-spotted spider mites	3	

TABLE 15–4. Cucumber Diseases

PHI = Pre-harvest Interval (days)

Pesticide	Rate	Disease	PHI	Remarks
Microscopic sulphur	105 g/100 L	powdery mildew	1	Apply at weekly intervals. Can cause damage if applied under hot, humid conditions.
MilStop	5.6 kg/ha	powdery mildew		Do not mix with other soluble fertilizers or pesticides; not compatible with mild alkaline solutions. Addition of surfactant or wetting agent is not required. Restricted entry interval = 4 hr.
Mycostop	Immediately after transplanting: 10–50 mg/ plant or 20–100 mL/plant of 0.05% suspension	fusarium, root diseases, stem rot	0	Repeat treatments at 3–6-week intervals, depending on disease pressure.
Nova	340 g/ha	powdery mildew, gummy stem blight	2	Maximum 6 applications per year.
Prestop	125–250 ml of 0.5% suspension/10 L of growth media, or 100 L of 0.5% suspension/ 2,000 plants	*Pythium* sp., *Rhizoctonia solani*		Repeat applications every 3–6 weeks.
	125–250 mL of 1.0% suspension/10 L of growth media, or 100 L of 1.0% suspension/ 2,000 plants	*Fusarium oxysporum*		Repeat applications every 3–6 weeks. Viability of contents in unopened packets, stored under cool (approx. 4°C), dry conditions, is about 12 months. Use entire contents of opened packets on the same day.
	Apply sufficient 0.5% suspension to wet plants, but not to run-off.	*Botrytis cinerea*		Repeat applications every 3–4 weeks.
	Apply sufficient 1.0% suspension to wet plants, but not to run-off.	gummy stem blight		Repeat applications every 3–4 weeks. Re-entry interval = 4 hr.
Previcur N	10 mL/10 L of water and apply this solution at rate of 100–200 mL/ plant. Use higher rate for 2nd and 3rd applications.	pythium root rot	2	Maximum 4 applications per crop cycle. No more than 2 applications on seedlings, and no more than 2 applications after transplanting. Occasional slight damage may occur following overhead drenching of recently planted seedlings.
Revus	400–600 mL/ha	downy mildew	1	May cause injury on some cucumber varieties, resulting in potential discoloration and necrotic spots on fruit surface. Prior application to a small area of each variety to confirm tolerance is recommended. Maximum 4 applications per season. Use of a non-ionic adjuvant (0.125% v/v) is recommended.
Ridomil Gold	Apply 250 mL of solution (0.75–1.25 mL/10 L) at base of plant after transplanting.	pythium root rot	21	1 application per crop cycle; not for cucumbers grown in soil.

TABLE 15–4. Cucumber Diseases

PHI = Pre-harvest Interval (days)

Pesticide	Rate	Disease	PHI	Remarks
RootShield Drench	60–90 g/100 L	*Pythium*, *Rhizoctonia*, *Fusarium*		Effective when root zone more than 10°C.
RootShield Granules	600 g/m^3 planting mix or soil	*Pythium*, *Rhizoctonia*, *Fusarium*		Effective when root zone more than 10°C.
Sporodex	7.5 L/ha	powdery mildew	0	Begin weekly applications at first sign of mildew. Re-entry period = 4 hr.
Rovral	1 kg/1,000 L	botrytis grey mould, gummy stem blight	2	
Microfine Sulphur 92 (Zeneca)	150 g per 100 L	powdery mildew	1	Can cause damage if applied under hot, humid conditions.

TABLE 15–5. Pepper Pests

PHI = Pre-harvest Interval (days)

Pesticide	Rate	Pest	PHI	Remarks
Actinovate SP	425 g/1,100 L water	Suppression of powdery mildew		Begin applications at transplant, and make subsequent applications at 7- to14-day intervals. Store at 21°C–26°C for no more than 12 months, away from direct sunlight and heat sources.
Avid	30 mL/100 L	two-spotted spider mite	3	
Basudin 500 EC or Diazinon 500	230 mL/250 L/4,000 m^2 0.575 L/625 L water	aphids	5	
Bioprotec	1.8 L/1,000 L water	cabbage loopers	0	Use diluted spray within 12 hr. Use product within 6 months of manufacture date. Add a wetting agent to improve distribution on foliage.
Confirm	0.5 L/ha; apply in 4,000 L water/ha	European corn borer	3	Ensure good coverage and apply at intervals of approximately 7 days. Maximum 4 applications per year. Re-entry interval = 12 hr.
Dipel 2X DF	75–150 g/250 L/ 4,000 m^2	cabbage loopers		Apply to upper and lower leaf surfaces to runoff. Repeat applications needed with new hatch.
Distance	45 mL/100 L	whiteflies	3	Maximum 2 applications per crop cycle. Make 1st application when adults begin to appear. Restricted entry interval = 12 hr.
DynoMite	284 g/ha	two-spotted spider mite	3	Maximum 2 applications per year.
Endeavor 50 WG	100–200 g product/ha in a minimum of 1,000 L water/ha	green peach aphid, melon aphid	3	Maximum 2 applications per crop cycle/year/greenhouse. Do not repeat applications for at least 7 days.
Floramite SC	133 mL/400 L	two-spotted spider mites	1	Only 2 applications per crop cycle. Restricted entry interval = 12 hr.
Foray 48B	80–200 mL/1,000 m^2	cabbage loopers	0	
Forbid 240 SC	30–50 mL/100 L	two-spotted spider mites, whiteflies	3	Maximum 2 applications per crop cycle. Restricted entry interval = 12 hr.
Insecticidal Soap	1–2 L/100 L	aphids, spider mites, whiteflies, earwigs, psyllids	5	May cause damage to plant under high temperature conditions.
Intercept	4.1 g/1,000 seedlings in a solution application rate of 8 L/100 m^2 of seedling trays	aphids, whiteflies	3	Apply to 2–3-week-old seedlings in flats. One application per growing season.
Nicotine Smoke	1 can/300 m^3	aphids, thrips	5	Ventilate greenhouse properly before re-entering.
Sluggo	25–50 kg/ha (2.5–5 g/m^2)	slugs and snails		Re-apply bait as needed or at least every 2 weeks, if slugs and snails continue to be a problem.
Thiodan 4 EC	1.25–1.5 L/1,000 L	lygus bug or tarnished plant bug, aphids	2	Do not apply more than twice per season.
Vectobac	2–8 L/1,000 L	fungus gnats	0	Do not mix and apply with fertilizers or fungicides containing copper or chlorine, as this may neutralize the active ingredients.

TABLE 15–6. Pepper Diseases

PHI = Pre-harvest Interval (days)

Pesticide	Rate	Disease	PHI	Remarks
Maestro 80DF	1.25 kg/1,000 L Apply 50–85 L/100 m^2	damping-off in seedlings		
Microscopic Sulphur 92%	543–760 g/1,000L/ha	powdery mildew		Apply as required on a minimum of 14-day interval for up to 10 applications per crop cycle.
MilStop	5.6 kg/ha	powdery mildew		Do not mix with other soluble fertilizers or pesticides; not compatible with mild alkaline solutions. Addition of surfactant or wetting agent is not required. Restricted entry interval = 4 hr.
Mycostop	Immediately after transplanting: 10–50 mg/plant or 20–100 mL/plant of 0.05% suspension	fusarium, root diseases, stem rot	0	Treatments to be repeated at intervals of 3–6 weeks depending on disease pressure.
Nova	340 g/ha using 1,500–3,000 L water/ha	powdery mildew	3	Apply as soon as possible after initial infection and again 12 days later when disease pressure warrants control. Maximum 3 applications per crop cycle. Re-entry interval = 12 hr.
Prestop	125–250 mL of 0.5% suspension/ 10 L of growth media, or 100 L of 0.5% suspension/ 2,000 plants	*Pythium* sp., *Rhizoctonia solani*		Repeat applications every 3–6 weeks.
	Apply enough 0.5% suspension to wet plants, but not to run-off.	*Botrytis cinerea*		Repeat applications every 3–4 weeks. Viability of contents in unopened packets, stored under cool (approx. 4°C), dry conditions, is about 12 months. Use entire contents of opened packets on the same day. Re-entry interval = 4 hr.
Previcur N	10 mL/10 L of water Apply 100–200 mL/ plant. Use higher rate for 2nd and 3rd applications.	pythium root rot	5	Maximum of 4 applications per crop cycle. No more than 2 applications on seedlings, and no more than 2 applications after transplanting. Occasional slight damage may occur following overhead drenching of recently planted seedlings.
Supra Captan 80W	63–107 g/100 m^2 as a soil treatment	damping off, fungus root rot diseases		Use 1.25 kg per 1,000 L water and apply at rates of 50–85 L /100 m^2. Work into the upper 7.5–10 cm of soil before planting.

TABLE 15–7. Lettuce Pests

PHI = Pre-harvest Interval (days)

Pesticide	Rate	Pest	PHI	Remarks
Bioprotec	1.8 L/1,000 L water	cabbage loopers	0	Use diluted spray within 12 hr. Use product within 6 months of manufacture date. Add a wetting agent to improve distribution on foliage.
Citation 75WP	75 g/570 L water	fungus gnats	14	Do not exceed 1,010 L spray solution per ha. No more than 4 applications per growing season. Allow 7 days between applications. Re-entry period = 12 hr.
Confirm 240F	0.6 L/ha	cabbage loopers	14	Re-entry period = 12 hr. Application interval 10–14 days. Maximum 2 applications per year.
Foray 48B	80–200 mL/1,000 m^2	cabbage loopers	0	
Insecticidal Soap	1–2 L/100 L	aphids, spider mites, whiteflies, earwigs, psyllids		May cause damage to plant under high temperature conditions.
Intercept 60WP		aphids	21	
Malathion 25W	2.75–5.5 kg/ha	aphids, caterpillars, spider mites, thrips, whiteflies	Leaf = 21 Head = 7	Do not apply more than twice per season.
Matador 120 EC	83 mL/ha	cabbage loopers	3	Maximum 2 applications per year. Best used against early stages of loopers.
Nicotine Smoke	1 can/300 m^3	aphids, thrips	7	Ventilate greenhouse properly before re-entering.
Thiodan 4 EC	1.25–1.5 L/1,000 L	aphids	14	Only one application per crop; low volume mist or high volume spray.
Vectobac	2–8 L/1,000 L	fungus gnats	0	Do not mix and apply with fertilizers or fungicides containing copper or chlorine, as this may neutralize the active ingredients.

TABLE 15–8. Lettuce Diseases

PHI = Pre-harvest Interval (days)

Pesticide	Rate	Disease	PHI	Remarks
Decree	1.5 kg/ha	botrytis grey mould	3	Maximum 2 applications per crop cycle.
Prestop	125–250 mL of 0.5% suspension/10 L of growth media, or 100 L of 0.5% suspension/ 2,000 plants	*Pythium* sp., *Rhizoctonia solani*		Repeat applications every 3–6 weeks.
	Apply enough 0.5% suspension to wet plants, but not to run-off.	*Botrytis cinerea*		Repeat applications every 3–4 weeks. Viability of contents in unopened packets stored under cool (approx. 4°C), dry conditions, is about 12 months. Use entire contents of opened packets on the same day. Re-entry interval = 4 hr.
Revus	400–600 mL/ha	downy mildew	7	No more than 4 applications per season. Use of a non-ionic adjuvant (0.125% v/v) is recommended.
Rovral	1 kg/1,000 L	grey mould	14	

REPLACE Appendix A with the following:

Appendix A.
OMAFRA Staff

Staff	Address	Contact	E-mail
Gillian Ferguson Greenhouse Vegetable IPM Specialist	Greenhouse and Processing Crops Research Centre 2585 County Road 20 Harrow, ON N0R 1G0	Tel: 519-738-1258 Fax: 519-738-4565	gillian.ferguson@ontario.ca
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Agricultural Information Contact Centre

Provides province-wide, toll-free technical and business information to commercial farms, agri-businesses and rural businesses.

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Toll-free: 1-877-424-1300
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E-mail: ag.info.omafra@ontario.ca

Guelph – ServiceOntario
1 Stone Rd. W.
Guelph, ON N1G 4Y2

Tel: 519-826-3100 (Staff Directories)
Toll-free: 1-888-466-2372

REPLACE Appendix F with the following:

APPENDIX F.
Ontario Ministry of Environment -- Regional Offices Contact Information

REGION County	**Address**	**Telephone/Fax**
CENTRAL REGION Toronto, Halton, Peel York, Durham	5775 Yonge St., 8th Floor Toronto, ON M2M 4J1	Tel: 416-326-6700 Toll-free: 1-800-810-8048 Fax: 416-325-2459
WEST-CENTRAL REGION Haldimand-Norfolk, Niagara, Hamilton-Wentworth, Dufferin, Wellington, Waterloo, Brant	Ontario Government Building 119 King St. W., 12th Floor Hamilton, ON L8P 4Y7	Tel: 905-521-7640 Toll-free: 1-800-668-4557 Fax: 905-521-7820
EASTERN REGION Frontenac, Hastings, Lennox & Addington, Prince Edward, Leeds & Grenville, Prescott & Russell, Stormont/Dundas & Glengarry, Haliburton, Peterborough, Victoria, Northumberland, Renfrew, Ottawa-Carleton, Lanark, (Townships of Airy, Murchison, Dickens, Lyell and Sabine)	Box 22032 1259 Gardiners Rd., Unit 3, Kingston, ON K7M 8S5	Tel: 613-549-4000 Toll-free: 1-800-267-0974 Fax: 613-548-6908
SOUTHWESTERN REGION Elgin, Middlesex, Oxford, Essex, Kent, Lambton, Bruce, Grey, Huron, Perth, Simcoe	733 Exeter Rd., 2nd Floor London, ON N6E 1L3	Tel: 519-873-5000 Fax: 519-873-5020 Toll-free: 1-800-265-7672
NORTHERN REGION	Thunder Bay Regional and District Office 435 James St. S., Suite 331 Thunder Bay, ON P7E 6S7	Tel: 807-475-1205 Fax: 807-475-1754 Toll-free: 1-800-875-7772
	Sudbury District Office 199 Larch St., Suite 1201 Sudbury, ON P3E 5P9	Tel: 705-564-3237 Fax: 705-564-4180 Toll-free: 1-800-890-8516
	Timmins District Office Ontario Government Complex Hwy 101 East P.O. Bag 3080 South Porcupine, ON P0N 1H0	Tel: 705-235-1500 Fax: 705-235-1520 Toll-free: 1-800-380-6615
Standards Development Branch	Pesticides Section 40 St. Clair Ave. W., 7th floor Toronto, ON M4V 1M2	Tel: 416-327-5519 Fax: 416-327-2936
Approvals Branch	Pesticides Licensing 2 St. Clair Ave. W., 12A floor Toronto, ON M4V 1L5	Tel: 416-314-8001 Toll-free: 1-800-461-6290 Fax: 416-314-8452

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